

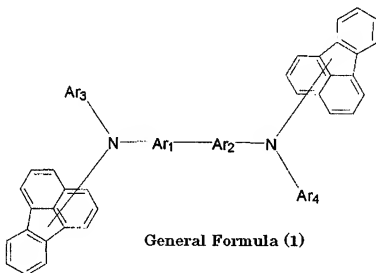
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-17 (canceled)

Claim 18 (new): An organic electroluminescent element having a light emitting layer sandwiched between an anode and a cathode, comprising:

the light emitting layer contains a fluoranthene derivative represented by the following general formula (1) and emits a green light:



wherein in the general formula (1), each of two fluoranthenes can be independently substituted with hydrogen, an alkyl group having 6 or less carbon atoms, an alkoxy group having 6 or less carbon atoms, or an aryl group having 12 or less carbon atoms,

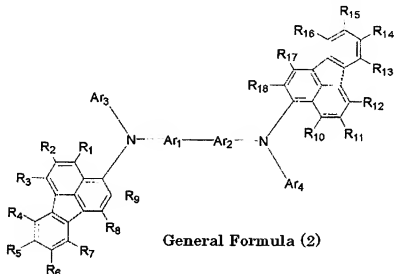
each of Ar₁ and Ar₂ independently represents an arylene group having 22 or less carbon atoms,

each of Ar₃ and Ar₄ independently represents an aryl group having 16 or less carbon atoms, and

in each aryl group and each arylene group, one hydrogen or a plurality of hydrogens can be replaced by an alkyl group or alkoxy group having 6 or less carbon atoms.

Claim 19 (new): The organic electroluminescent element as claimed in claim 18, wherein:

the fluoranthene derivative is represented by the following general formula (2):



wherein in the general formula (2), each of substituents R₁ to R₁₈ in two fluoranthenes independently represents hydrogen, an alkyl group having 6 or less carbon atoms, an alkoxy group having 6 or less carbon atoms, or an aryl group having 12 or less carbon atoms, and

in each aryl group, one hydrogen or a plurality of hydrogens may be replaced by an alkyl group or alkoxy group having 6 or less carbon atoms.

Claim 20 (new): The organic electroluminescent element as claimed in claim 18, wherein in that:

in the general formula (1), each of Ar₁ and Ar₂ independently represents an arylene group having 14 or less carbon atoms, and

in the general formula (1) each of Ar₃ and Ar₄ independently represents an aryl group having 14 or less carbon atoms.

Claim 21 (new): The organic electroluminescent element as claimed in claim 20, wherein:

each of the aryl group and arylene group in the fluoranthene derivative is derived from any one of benzene, naphthalene, anthracene, and biphenyl.

Claim 22 (new): The organic electroluminescent element as claimed in claim 18, wherein:

concentration of the fluoranthene derivative in the light emitting layer is less than 50% by volume.

Claim 23 (new): The organic electroluminescent element as claimed in claim 18, wherein:

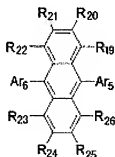
the light emitting layer contains an organic material having a fluorescence spectrum overlapping the absorption spectrum of the fluoranthene derivative.

Claim 24 (new): The organic electroluminescent element as claimed in claim 23, wherein:

the organic material having a fluorescence spectrum overlapping the absorption spectrum of the fluoranthene derivative comprises an arylanthracene derivative.

Claim 25 (new): The organic electroluminescent element as claimed in claim 24, wherein:

the arylanthracene derivative is represented by the following general formula (3):



General Formula (3)

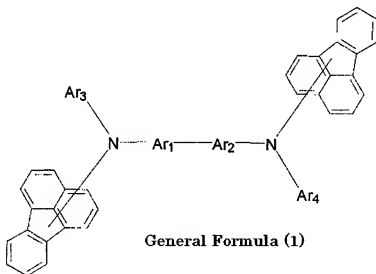
wherein in the general formula (3), each of R_{19} to R_{26} independently represents hydrogen, or an alkyl group or alkoxy group having 6 or less carbon atoms,

each of Ar_5 and Ar_6 independently represents an aryl group or ring assembly aryl group having 60 or less carbon atoms, and

in each aryl group or each ring assembly arylene group, one hydrogen or a plurality of hydrogens may be replaced by an alkyl group or alkoxy group having 12 or less carbon atoms, or a substituted or unsubstituted ethenyl group having 60 carbon atoms or less.

Claim 26 (new): A display apparatus having a plurality of organic electroluminescent elements having a light emitting layer sandwiched between an anode and a cathode and being arranged on a substrate, comprising:

the light emitting layer contains a fluoranthene derivative represented by the following general formula (1):



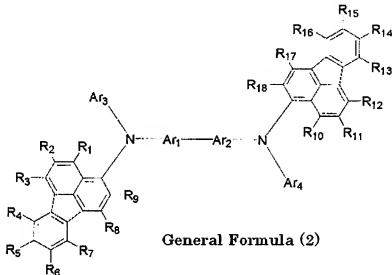
wherein in the general formula (1), each of two fluoranthenes can be independently substituted with hydrogen, an alkyl group having 6 or less carbon atoms, an alkoxy group having 6 or less carbon atoms, or an aryl group having 12 or less carbon atoms,

each of Ar_1 and Ar_2 independently represents an arylene group having 22 or less carbon atoms,

each of Ar_3 and Ar_4 independently represents an aryl group having 16 or less carbon atoms, and

in each aryl group and each arylene group, one hydrogen or a plurality of hydrogens can be replaced by an alkyl group or alkoxy group having 6 or less carbon atoms.

Claim 27 (new): The display apparatus as claimed in claim 26, wherein:
the fluoranthene derivative is represented by the following general formula (2):



wherein in the general formula (2), each of substituents R₁ to R₁₈ in two fluoranthenes independently represents hydrogen, an alkyl group having 6 or less carbon atoms, an alkoxy group having 6 or less carbon atoms, or an aryl group having 12 or less carbon atoms, and

in each aryl group, one hydrogen or a plurality of hydrogens can be replaced by an alkyl group or alkoxy group having 6 or less carbon atoms.

Claim 28 (new): The display apparatus as claimed in claim 26, wherein:
in the general formula (1), each of Ar₁ and Ar₂ independently represents an arylene group having 14 or less carbon atoms, and

in the general formula (1) each of Ar₃ and Ar₄ independently represents an aryl group having 14 or less carbon atoms.

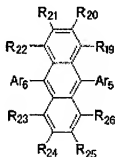
Claim 29 (new): The display apparatus as claimed in claim 28, wherein:
each of the aryl group and arylene group in the fluoranthene derivative is derived from any one of benzene, naphthalene, anthracene, and biphenyl.

Claim 30 (new): The display apparatus as claimed in claim 26, wherein:
concentration of the fluoranthene derivative in the light emitting layer is less than 50% by volume.

Claim 31 (new): The display apparatus as claimed in claim 26, wherein:
the light emitting layer contains an organic material having a fluorescence spectrum overlapping the absorption spectrum of the fluoranthene derivative.

Claim 32 (new): The display apparatus as claimed in claim 31, wherein:
the organic material having a fluorescence spectrum overlapping the absorption spectrum of the fluoranthene derivative comprises an arylanthracene derivative.

Claim 33 (new): The display apparatus as claimed in claim 32, wherein:
the arylanthracene derivative is represented by the following general formula (3):



General Formula (3)

wherein in the general formula (3), each of R₁₉ to R₂₆ independently represents hydrogen, or an alkyl group or alkoxy group having 6 or less carbon atoms,

each of Ar₅ and Ar₆ independently represents an aryl group or ring assembly aryl group having 60 or less carbon atoms, and

in each aryl group or each ring assembly arylene group, one hydrogen or a plurality of hydrogens may be replaced by an alkyl group or alkoxy group having 12 or less carbon atoms, or a substituted or unsubstituted ethenyl group having 60 carbon atoms or less.

Claim 34 (new): The display apparatus as claimed in claim 26, wherein:
the organic electroluminescent element is formed as a green light emitting element in a part of a plurality of pixels.